

# Fact Sheet



## *For Final Renewal Permitting Action Under 45CSR30 and Title V of the Clean Air Act*

Permit Number: **R30-08100078-2006**  
Plant Identification Number: **03-54-08100078**  
Permittee: **Marfork Coal Company**  
Facility Name: **Marfork Coal Preparation Plant**  
Mailing Address: **Whitesville, WV 25209**  
Renewal Title V Application Received: **January 30, 2006**

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Physical Location:	Pettus, Raleigh County, West Virginia
UTM Coordinates:	453.70 km Easting • 4199.70 km Northing • Zone 17
Directions:	Traveling south on WV State Route 3, pass through Whitesville, drive approximately two (2) miles, turn left onto County Route 3/1, and the plant is located approximately 1.1 miles east

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### **Facility Description**

Coal Preparation Plant. SIC Code - 1221. The Marfork Coal Preparation Plant has the ability to screen, crush/size, wash, store and load in/out coal. The maximum capacity of the preparation plant is 2,400 tons per hour and 20,220,000 tons per year raw coal input. The facility has the potential to operate seven (7) days per week, twenty four (24) hours per day and fifty-two (52) weeks per year.

## Emissions Summary

Plantwide Emissions Summary [Tons per Year]		
Criteria Pollutants	Potential Emissions	2004 Actual Emissions
Carbon Monoxide (CO)	Not Applicable	None
Nitrogen Oxides (NO <sub>x</sub> )	Not Applicable	None
Particulate Matter (PM <sub>10</sub> )	2,047.28	111.72
Total Particulate Matter (TSP)	4,412.06	239.58
Sulfur Dioxide (SO <sub>2</sub> )	Not Applicable	None
Volatile Organic Compounds (VOC)	Not Applicable	None
Lead (Pb)	Not Applicable	None
<i>PM<sub>10</sub> is a component of TSP.</i>		
Hazardous Air Pollutants	Potential Emissions	2004 Actual Emissions
None		
<i>Some of the above HAPs may be counted as PM or VOCs.</i>		

## Title V Program Applicability Basis

This facility has the potential to emit 2,047.28 tons of PM<sub>10</sub> per year. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Marfork Coal Company is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

## Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

This facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR5	Coal Preparation Plant
	45CSR6	Open burning prohibited.
	45CSR11	Standby plans for emergency episodes.
	45CSR13	New Source Review permits for stationary sources
	45CSR16	New Source Performance Standards
	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 60 Subpart Y	Standard of Performance for Coal Preparation Plants
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances

State Only:

45CSR4

No objectionable odors.

Each State and Federally-enforceable condition of the draft Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the draft Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the draft Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR15, 45CSR34 and 45CSR30.

### Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit ( <i>if any</i> )
R13-1967C Modification	March 14, 2005	
1. Add ten (10) conveyor belts from the Marsh Fork Mine to raw coal stock piles RCOS2, RCOS3, RCOS4		
2. Add one (1) stockpile MFOS1.		
R30-08100078-1996	May 8, 2001	Significant Modification
		Issued: March 11, 2003
		1. New Equipment added: Refuse reclaim conveyor (RB4A), Raw coal direct ship conveyors (RCB9 & RCB10), Raw coal direct ship crusher (RC1), Paved haulroad (PVHR3) to direct ship hopper.
		2. Existing equipment removed : Rotary Breaker (CR1)
		3. Existing equipment modified Paved haulroad (PVHR3) modify controls to PE/WS from FE (equivalent control).
		4. Allow storage of synthetic fuel in the clean coal stockpiles. The clean coal stockpiles are permitted for material silt content of 11.4 percent. The silt content for synthetic fuel is within the already permitted level. No change in emissions

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table B," which may be downloaded from DAQ's website.

### Deactivated Units and Equipment

According to the Title V Significant Modification for R30-08100078-1996, Rotary Breaker (CR1) has been removed from active service. According to 45CSR§13-10.5, units which have not operated at least 500 hours in one 12-month period within the previous five (5)-year time period may be considered permanently shutdown and may need to obtain a permit before they can be operated, modified, or reconstructed. Unless, Marfork Coal Company can provide the Secretary with reasonable information to the contrary.

## Determinations and Justifications

Given below are two changes to the May 8, 2001 Permit and Fact Sheet. The first was a Significant Modification in 2003. These changes are:

1. Addition of equipment
  - a. Refuse reclaim conveyor (RB4A)
  - b. Raw coal direct ship conveyors (RCB9 & RCB10)
  - c. Raw coal direct ship crusher (RC1)
  - d. Paved haulroad (PVHR3)
2. Removal of a rotary breaker (CR1)
3. Modification of Paved haulroad (PVHR3)
4. Allow storage of synthetic fuel in the clean coal stockpiles.

A permit modification, Permit R13-1967C, is the other change that was issued on March 15, 2005. Permit R13-1967C adds ten (10) conveyor belts to convey raw coal from the Marsh Fork Mine to preparation plant's truck dumps, stockpiles RCOS2, RCOS3, and RCOS4. It also includes adding one (1) stockpile MFOS1. This system serves as an alternative operating scenario for transporting raw coal to the preparation plant and does not replace the existing permitted raw coal trucking. For each ton of coal transported across the Marsh Fork Mine belt addition there is one less ton of coal available for transport by truck. There is no increase in the total feed to the preparation plant above the permitted rates.

## Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

<b>40 C.F.R. Part 64</b> (10/22/1997)	The facility does have a pollutant specific emissions unit with a control device to meet an applicable standard or limit. Therefore, the facility is not subject to the Compliance Assurance Monitoring (CAM) rule.
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## Request for Variances or Alternatives

None

## Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

## Comment Period

Beginning Date: February 17, 2006  
Ending Date: March 20, 2006

All written comments should be addressed to the following individual and office:

Wayne Green  
Title V Permit Writer  
West Virginia Department of Environmental Protection  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

## **Procedure for Requesting Public Hearing**

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

## **Point of Contact**

Wayne Green  
West Virginia Department of Environmental Protection  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone: 304/926-0499 ext. (1258) • Fax: 304/926-0478

## **Response to Comments (Statement of Basis)**

Not applicable